RAW SEQUENCE LISTING
PATENT APPLICATION **US/09/320,609**

DATE: 03/03/2000
TIME: 12:14:37

Input Set: **I320609.RAW**

This Raw Listing contains the General Information Section and up to first 5 pages.

<110> APPLICANT: Wilusz, Jeffrey
Ford, Lance P
<120> TITLE OF INVENTION: SYSTEM FOR REPRODUCING AND MODULATING STABILITY AND TURNOVER OF RNA MOLECULES
<130> FILE REFERENCE: 601-1-088N
<140> CURRENT APPLICATION NUMBER: US/09/320,609
<141> CURRENT FILING DATE: 1999-05-26
<150> EARLIER APPLICATION NUMBER: US 60/086,675
<151> EARLIER FILING DATE: 1998-05-26
<160> NUMBER OF SEQ ID NOS: 12
<170> SOFTWARE: PatentIn Ver. 2.0
<210> SEQ ID NO 1
<211> LENGTH: 59
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing this synthetic oligonucleotide and its appropriate complement, template for ARE-A0 RNA were generated.
<400> SEQUENCE: 1
atttaggtga cactatagaa tacacattat ttattattta tttattattt atttattta 59
<210> SEQ ID NO 2
<211> LENGTH: 59
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing this synthetic oligonucleotide and its appropriate complement , templates for MT-ARE-A0 RNA were generated.
<400> SEQUENCE: 2
atttaggtga cactatagaa tacacgttag tattcatttg tttactattg atttcttta 59
<210> SEQ ID NO 3
<211> LENGTH: 68
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing this synthetic oligonucleotide and its appropriate complement , templates for Fos-A0 RNA were generated.
<400> SEQUENCE: 3
atttaggtga cactatagaa tacacaaatt ttattgtgtt tttaatttat ttattaagat 60

ggattctc 68

<210> SEQ ID NO 4
<211> LENGTH: 33
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description for artificial sequence: Templates for SVARE-A0 RNA were generated by inserting the TNF-alpha ARE containing this oligonucleotide and its appropriate complement between the PstI and Hind
<400> SEQUENCE: 4
attatttatt atttatttat tatttattat tta 33

<210> SEQ ID NO 5
<211> LENGTH: 70
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: By hybridizing this synthetic oligonucleotide and its appropriate complement , templates for CX-A0 RNA were generated.
<400> SEQUENCE: 5
atttaggtga cactatagaa tacaccccaa cgggccctcc ctcccctcct tgcaccatca 60
tcgcatcacg 70

<210> SEQ ID NO 6
<211> LENGTH: 34
<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNAs used in competition studies. ARE.
<400> SEQUENCE: 6
auuauuuauu auuuauuuau uauuuauuua uuua 34

<210> SEQ ID NO 7
<211> LENGTH: 13
<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic RNA used in competition studies contains this sequence. Non-specific competitior.
<400> SEQUENCE: 7
gucacguguc acc 13

<210> SEQ ID NO 8
<211> LENGTH: 23
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: This synthetic

oligonucleotide and its appropriate complement were generated, hybridized, and ligatedto Hind III cut DNA templates.

<400> SEQUENCE: 8
agctatattg aggtgctcga ggt 23

<210> SEQ ID NO 9
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: SP6 promoter primer.

<400> SEQUENCE: 9
catacgattt aggtgacact atag 24

<210> SEQ ID NO 10
<211> LENGTH: 14
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: A specific 3' end primer for ligated oligonucleotide.

<400> SEQUENCE: 10
acctcgagca cctc 14

<210> SEQ ID NO 11
<211> LENGTH: 12
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: Antisense oligonucleotide.

<400> SEQUENCE: 11
agttaaataa at 12

<210> SEQ ID NO 12
<211> LENGTH: 5
<212> TYPE: RNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence: This sequence often repeats in AREs (A-U rich sequence) found in the 3' untranslated region of many short-lived mRNAs.

<400> SEQUENCE: 12
auuua 5

VERIFICATION SUMMARY
PATENT APPLICATION **US/09/320,609**

DATE: 03/03/2000
TIME: 12:14:37

Input Set: **I320609.RAW**

Line	?	Error/Warning	Original Text